

District 11 Mobility Performance Report

2018 Fourth Quarter

DEPARTMENT OF TRANSPORTATION

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District 11 Mobility Performance Report

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EXECUTIVE SUMMARY

Overview

Caltrans District 11 consists of both the Imperial and San Diego counties, with San Diego having a population of approximately 3,095,313 residents and Imperial County with approximately 174,528 residents. Although, District 11 is composed of these two counties, Imperial County does not report any performance data due to less population.

The Mobility Performance quarterly analysis compares traffic information with the information collected in the same quarter over a year ago. In addition, it compares traffic information with its preceding quarter. The following parameters are used to show the performance measures of the area freeways:

- Vehicle Miles of Travel (VMT)
- Vehicle Hours of Delay (VHD), Bottleneck Locations
- Lost Lane Miles (equivalent lost productivity)
- Detector Health

This information is based on data collected every day of the quarter, twenty-four hours a day, by automated vehicle detector stations deployed on urban-area freeways where congestion is regularly experienced. The MPR presents congestion information at two speed thresholds: delay from vehicles traveling below 35 miles per hour (mph), and delay from vehicles traveling below 60 mph. The delay at the 35 mph threshold represents severe congestion while delay at

60 mph represents total congestion. These thresholds are set by Caltrans and are based upon engineering experience and District input.

FINDINGS

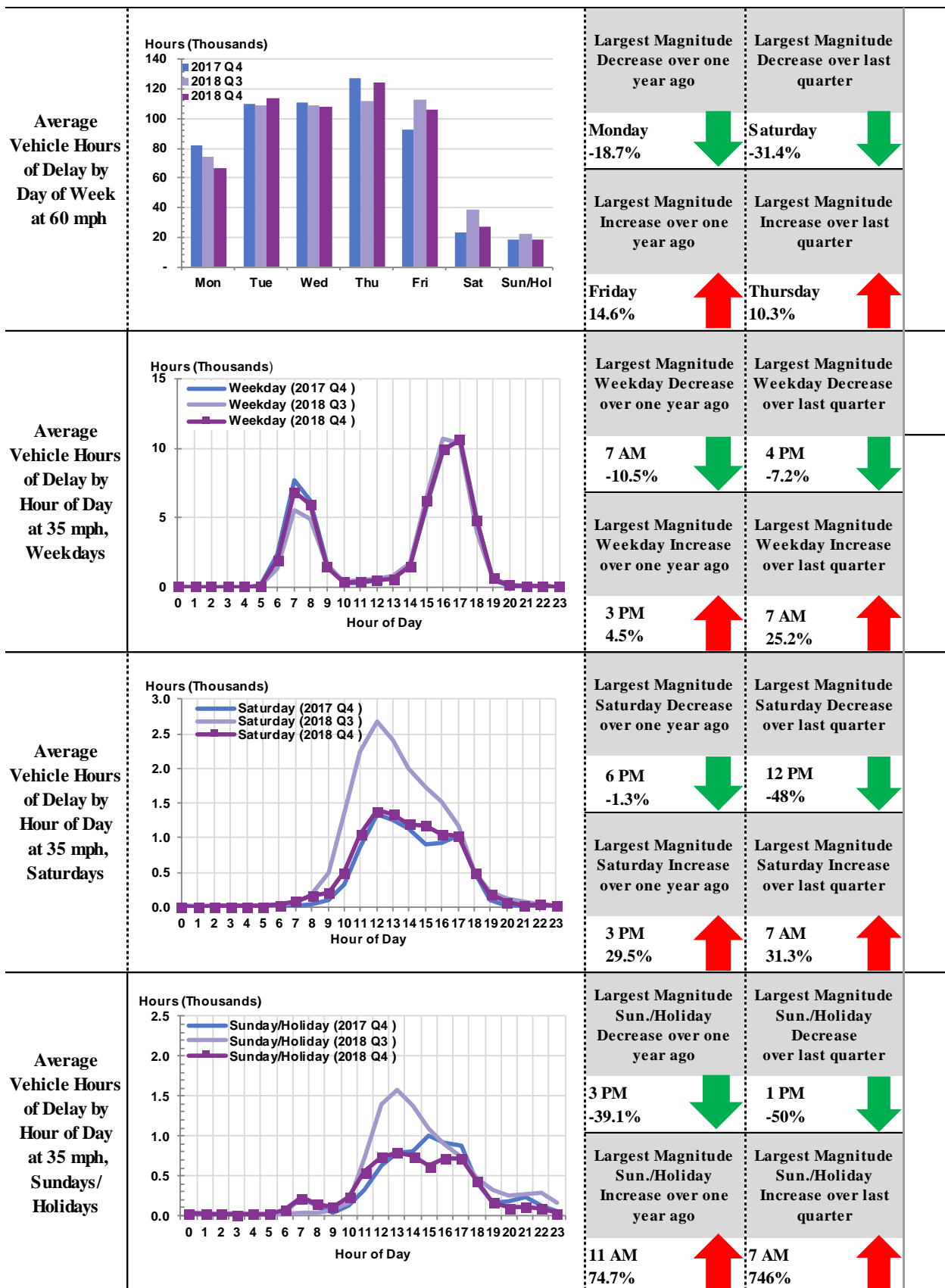
In the fourth quarter of 2018, the total delay equaled 3.5 million VHD at the 35mph speed threshold, and 7.15 million VHD at the 60mph threshold. The average weekday delay experienced in this quarter was approximately 52 thousand VHD at 35 mph, and 103 thousand VHD at 60 mph.

Top Ten Bottlenecks for the Quarter 4

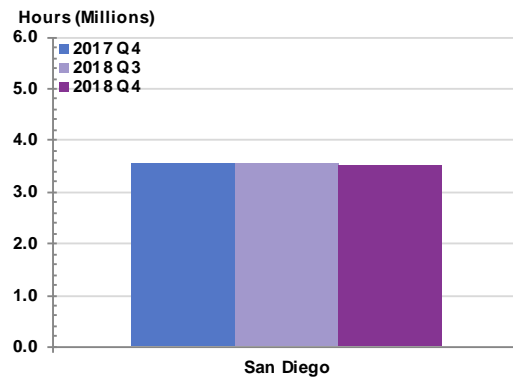
Fwy	Location	Shift	Abs PM	CA PM	# Days Active	Avg Extent (Miles)	Total Delay (veh-hrs)	Total Duration (mins)
I805-S	805 SB @ 15	PM	14.70	14.852	58	8.49	157,200.70	6,465.00
I805-S	805 SB N-O 15	PM	15.17	15.321	58	8.09	132,213.60	4,780.00
I5-N	Cannon Rd	PM	48.00	R48.104	59	4.44	97,221.90	8,835.00
SR78-E	Barham Dr	PM	14.86	14.86	56	5.31	96,279.80	8,450.00
I5-S	5 S N-O VISTA VIEW	AM	39.06	R39.201	52	6.99	96,069.00	6,015.00
I805-N	At I?15	AM	14.70	14.85	55	4.12	95,613.20	7,625.00
I805-N	805 NB N-O 52	AM	23.50	23.65	56	1.95	92,578.10	12,170.00
I5-S	5th Ave	PM	16.00	R16.11	57	2.75	72,321.20	7,935.00
I5-N	NB 5 @ B ST	AM	15.23	R15.34	55	3.05	68,898.00	7,325.00
I15-N	15 NB N-O Mission Rd	PM	52.35	R52.09	50	4.54	64,901.50	7,010.00

Quarterly Mobility Statistics

Vehicle Miles of Travel (VMT)	<p>Miles (Billions)</p> <table><tr><th>Quarter</th><th>VMT (Billions)</th></tr><tr><td>2017 Q4</td><td>3.59</td></tr><tr><td>2018 Q3</td><td>3.75</td></tr><tr><td>2018 Q4</td><td>3.6</td></tr></table>	Quarter	VMT (Billions)	2017 Q4	3.59	2018 Q3	3.75	2018 Q4	3.6	<p>Over one year ago</p> <p>0.2%</p>	<p>Over last quarter</p> <p>-4.1%</p>
Quarter	VMT (Billions)										
2017 Q4	3.59										
2018 Q3	3.75										
2018 Q4	3.6										
Total Vehicle Hours of Delay (VHD) at 35 mph	<p>Hours (Millions)</p> <table><tr><th>Quarter</th><th>VHD (Millions)</th></tr><tr><td>2017 Q4</td><td>3.5</td></tr><tr><td>2018 Q3</td><td>3.5</td></tr><tr><td>2018 Q4</td><td>3.5</td></tr></table>	Quarter	VHD (Millions)	2017 Q4	3.5	2018 Q3	3.5	2018 Q4	3.5	<p>Over one year ago</p> <p>-1%</p>	<p>Over last quarter</p> <p>-1.1%</p>
Quarter	VHD (Millions)										
2017 Q4	3.5										
2018 Q3	3.5										
2018 Q4	3.5										
Average Non-Holiday Weekday Vehicle Hours of Delay (VHD) at 35 mph	<p>Hours (Thousands)</p> <table><tr><th>Quarter</th><th>VHD (Thousands)</th></tr><tr><td>2017 Q4</td><td>53</td></tr><tr><td>2018 Q3</td><td>50</td></tr><tr><td>2018 Q4</td><td>52</td></tr></table>	Quarter	VHD (Thousands)	2017 Q4	53	2018 Q3	50	2018 Q4	52	<p>Over one year ago</p> <p>-2.9%</p>	<p>Over last quarter</p> <p>3.2%</p>
Quarter	VHD (Thousands)										
2017 Q4	53										
2018 Q3	50										
2018 Q4	52										
Total Vehicle Hours of Delay (VHD) at 60 mph	<p>Hours (Millions)</p> <table><tr><th>Quarter</th><th>VHD (Millions)</th></tr><tr><td>2017 Q4</td><td>7.12</td></tr><tr><td>2018 Q3</td><td>7.38</td></tr><tr><td>2018 Q4</td><td>7.15</td></tr></table>	Quarter	VHD (Millions)	2017 Q4	7.12	2018 Q3	7.38	2018 Q4	7.15	<p>Over one year ago</p> <p>0.3%</p>	<p>Over last quarter</p> <p>-3.2%</p>
Quarter	VHD (Millions)										
2017 Q4	7.12										
2018 Q3	7.38										
2018 Q4	7.15										
Average Non-Holiday Weekday Vehicle Hours of Delay (VHD) at 60 mph	<p>Hours (Thousands)</p> <table><tr><th>Quarter</th><th>VHD (Thousands)</th></tr><tr><td>2017 Q4</td><td>105</td></tr><tr><td>2018 Q3</td><td>104</td></tr><tr><td>2018 Q4</td><td>103</td></tr></table>	Quarter	VHD (Thousands)	2017 Q4	105	2018 Q3	104	2018 Q4	103	<p>Over one year ago</p> <p>-1.6%</p>	<p>Over last quarter</p> <p>-0.2%</p>
Quarter	VHD (Thousands)										
2017 Q4	105										
2018 Q3	104										
2018 Q4	103										



Total Vehicle Hours of Delay (VHD) by County at 35 mph



Largest Magnitude Decrease over one year ago

San Diego
-1%



Largest Magnitude Decrease over last quarter

San Diego
-1.1%



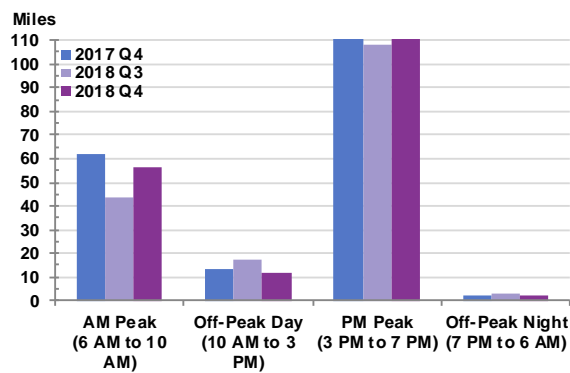
Largest Magnitude Increase over one year ago

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Largest Magnitude Increase over last quarter

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Average Non-Holiday Weekday Equivalent Lost Lane Mile Hours at 35 mph



Largest Magnitude Decrease over one year ago

AM Peak
-9.2%



Largest Magnitude Decrease over last quarter

Off-Peak Day
-25.5%



Largest Magnitude Increase over one year ago

Off-Peak Night
22.5%

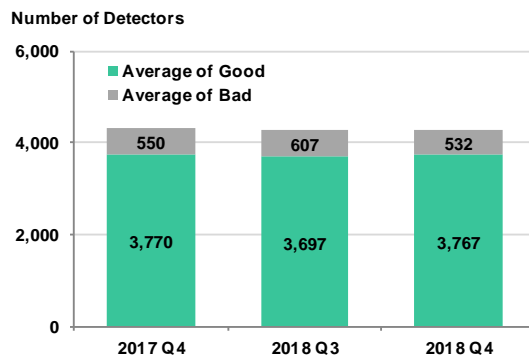


Largest Magnitude Increase over last quarter

AM Peak
27.7%



Average Number of Good and Bad Detectors



Change in Good over one year ago

-0.08%



Change in Good over last quarter

2%



Change in Bad over one year ago

-3%



Change in Bad over last quarter

-12%



Congestion by Route											
Route	County	Vehicle Hours of Delay at 35 mph			Difference 2018 Q4-2017 Q4		Difference 2018 Q4-2018 Q3		Rank		
		2017 Q4	2018 Q3	2018 Q4	Absolute	Percentage	Absolute	Percentage	2017 Q4	2018 Q3	2018 Q4
I5	San Diego	1,141,899	1,341,444	1,175,328	33,429	2.9%	-166,116	-12.4%	1	1	1
I805	San Diego	636,119	647,941	668,175	32,056	5.0%	20,235	3.1%	2	2	2
I15	San Diego	628,122	567,948	622,039	-6,083	-1.0%	54,091	9.5%	3	3	3
SR78	San Diego	263,652	236,631	263,893	241	0.1%	27,262	11.5%	4	4	4
SR125	San Diego	194,212	174,139	200,239	6,027	3.1%	26,100	15.0%	6	6	5
I8	San Diego	203,890	184,293	182,099	-21,790	-10.7%	-2,193	-1.2%	5	5	6
SR163	San Diego	137,171	135,404	129,161	-8,010	-5.8%	-6,243	-4.6%	7	7	7
SR52	San Diego	134,329	118,935	95,238	-39,091	-29.1%	-23,697	-19.9%	8	8	8
SR94	San Diego	116,964	65,629	91,368	-25,596	-21.9%	25,740	39.2%	9	9	9
SR56	San Diego	74,789	64,371	70,335	-4,453	-6.0%	5,964	9.3%	10	10	10
I905	San Diego	4,008	6,660	4,141	133	3.3%	-2,519	-37.8%	12	11	11
SR54	San Diego	3,419	1,202	3,590	171	5.0%	2,388	198.8%	13	13	12
SR76	San Diego	5,868	2,863	3,142	-2,726	-46.5%	279	9.7%	11	12	13
SR67	San Diego	1,810	7	502	-1,308	-72.3%	495	7504.5%	14	14	14
TOTALS		3,546,251	3,547,466	3,509,250	-37,002	-1.0%	-38,216	-1.1%			